

ELECTROMAGNETIC SHIELD FOR ELECTRONIC BOARD EDGES

ABSTRACT

An electromagnetic shield device for printed circuit boards (PCBs) which, in one embodiment, is made of conductive material and comprised of two parts. In another embodiment, the device is a singular element. In both examples, press-fit or compliant pins may be used to electrically couple the device to the PCB's ground layer. Alternatively, projecting pins or flat conductive plates can be used to provide this coupling. The device is also adjustable to accommodate PCBs of varying thicknesses. The device provides for added PCB stiffness while assuring prevention of electromagnetic radiation from the PCB's edge.